

Detailed Estimate

OD/346/3308/116297/394161/00065146 : Completion of community centre near Puruna RI office,Bari,5th SFC UNTIED
Block : Simulia, Gram Panchayat : Bari
Created By: Bhakta Ranjan Mohanty

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Paver area Cutoff Wall	1.000	42.000	0.750	0.500	0.000	15.750	-
Total Quantity					15.75 Cft (Cubic Foot)		0.4459896 Cum (Cubic Meter)	
Amount					0.4459896 X 240.77592		107.38	
2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed								
Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Paver area Cutoff Wall	1.000	42.000	0.750	0.160	0.000	5.040	-
ii	Room	1.000	17.330	11.330	0.670	0.000	131.554	-
iii	Paver Area	1.000	18.500	11.000	0.330	0.000	67.155	-
Total Quantity					203.748763 Cft (Cubic Foot)		5.7695129721184 Cum (Cubic Meter)	
Amount					5.7695129721184 X 1493.995232		8619.62	
3. Concrete (AR0303a) : Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal								
Cement concrete (1:3:6) with 4 cm. hard granite(Hand Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.								

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	17.330	11.330	0.330	0.000	64.795	-
Total Quantity					64.795137 Cft (Cubic Foot)		1.8347909354016 Cum (Cubic Meter)	
Amount					1.8347909354016 X 6082.7598147		11160.59	
4. Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum								
Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specificaion and direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Paver area Cutoff Wall	1.000	42.000	0.750	0.920	0.000	28.980	-
ii	Room	1.000	17.330	11.330	0.200	0.000	39.270	-
Total Quantity					68.24978 Cft (Cubic Foot)		1.932615370304 Cum (Cubic Meter)	
Amount					1.932615370304 X 7707.5434009		14895.72	
5. miscellaneous (ARM287) : Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC								
Supplying and fixing of 80mm thick cement concrete interlocking paver block of M-40 grade of approved make, design, colour and size made by Block making machine with proper compaction laid in required pattern etc. complete in all respect conforming to IRC SP-63:2018. (New miscellaneous items) and as directed by Engineer-in-Charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Paver Area	1.000	18.500	11.000	0.000	0.000	203.500	-
Total Quantity					203.5 Sft (Square Foot)		18.9057605 Sqm (Square Meter)	
Amount					18.9057605 X 651.063		12308.84	
6. R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc								

Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Paver area Cutoff Wall	1.000	42.000	0.000	0.580	2.000	48.720	-
Total Quantity					48.72 Sft (Square Foot)		4.52623416 Sqm (Square Meter)	
Amount					4.52623416 X 216.23489289764		978.73	

7. Plastering (AR1014) : 16mm thick cement Plaster in CM (1:6) over brick work in inside.

16mm thick cement Plaster in CM (1:6) over brick work in inside including racking out joints finishing smooth with proper plumb and line, curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc comp.and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	17.330	0.000	10.000	2.000	346.600	-
ii		1.000	11.330	0.000	10.000	2.000	226.600	-
iii	Less Door Opening	-1.000	3.660	0.000	7.000	0.500	-12.810	-
iv	Less Window Opening	-2.000	3.500	0.000	4.000	0.500	-14.000	-
v	Less Window Opening	-3.000	2.660	0.000	4.000	0.500	-15.960	-
Total Quantity					530.43 Sft (Square Foot)		49.27853829 Sqm (Square Meter)	
Amount					49.27853829 X 257.35818989		12682.24	

8. Plastering (AR1004) : 12mm thick cement plaster (1:6) over Brick work in inside

12mm thick cement plaster (1:6) over Brick work in inside including racking out joints finishing smooth with proper plumb and line curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T & P required for the work etc. comp.and as per direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
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i	Room O/S	1.000	19.000	0.000	11.000	2.000	418.000	-
ii		1.000	13.000	0.000	11.000	2.000	286.000	-
iii	Less Door Opening	-1.000	3.660	0.000	7.000	0.500	-12.810	-
iv	Less Window Opening	-2.000	3.500	0.000	4.000	0.500	-14.000	-
v	Less Window Opening	-3.000	2.660	0.000	4.000	0.500	-15.960	-
Total Quantity					661.23 Sft (Square Foot)		61.43025069 Sqm (Square Meter)	
Amount					61.43025069 X 180.897515914		11112.58	

9. Plastering (AR1027) : 6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces including chipping (Inside)

6mm thick cement Plaster in CM (1:4) over R.C.C. surfaces in inside including chipping with proper level and line, curing for the proper period with cost conveyance, royalty, taxes of all materials, labor, and T & P required for the work, etc comp. and as per the direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room Ceiling	1.000	17.330	11.330	0.000	0.000	196.349	-
ii	Beams	1.000	11.330	0.000	0.500	2.000	11.330	-
iii	Inside Chajja	1.000	12.500	1.500	0.000	2.000	37.500	-
iv	Window ChajjaOpening	2.000	4.500	1.500	0.000	2.000	27.000	-
v	Projections	1.000	20.000	2.830	0.000	0.000	56.600	-
vi		1.000	20.000	0.830	0.000	0.000	16.600	-
vii		1.000	13.000	0.830	0.000	2.000	21.580	-
viii	Cantilever Beams	2.000	2.500	0.420	0.000	2.000	4.200	-
Total Quantity					371.1589 Sft (Square Foot)		34.4817752867 Sqm (Square Meter)	

Amount		34.4817752867 X 194.350065676					6701.54	
10. Flooring (AR0817ab) : Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in dados skirting and risers of steps on 12mm thick cement plaster (1:3)								
Fixing Vitrified tiles of premium grade having thickness 8mm to 10mm confirming to IS 13756 of size 600mmx600mm Coloured /Printed series(Homogeneous) in dados skirting and risers of steps on 12mm thick cement plaster (1:3) jointed with neat cement slurry mixed with pigments to match the shade of the Vitrified tiles including rubbing and polishing complete including cost of precast tiles.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	17.330	0.000	0.500	2.000	17.330	-
ii		1.000	12.330	0.000	0.500	2.000	12.330	-
iii	Insde Chajja	1.000	14.000	0.000	0.500	1.000	7.000	-
Total Quantity					36.66 Sft (Square Foot)		3.40582398 Sqm (Square Meter)	
Amount		3.40582398 X 1579.645679836					5380.00	
11. Other Building Items. (AR1901Ba) : Vitrified Tile 600mmx600mm Coloured /Printed								
Supplying, fitting & fixing Vitrified Tile 600mmx600mm Coloured /Printed series(Homogeneous) in floors of size 600mm x 600 mm of approved make conforming IS:13755 laid on 20 mm thick cement mortar(1:4)and filling joints with white cement of approved quality including cost of all work all materials, taxes, labor, T&P , etc. complete as per direction of Engineer-in-charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Room	1.000	17.330	11.330	0.000	0.000	196.349	-
ii	Inside Chajja	1.000	12.500	1.500	0.000	0.000	18.750	-
Total Quantity					215.0989 Sft (Square Foot)		19.9833331067 Sqm (Square Meter)	
Amount		19.9833331067 X 1064.110199045					21264.47	
12. Iron Work (AR1704) : Iron Doors and windows fixing								
Supplying, fitting & fixing of Mild steel and put up for frames & shutters of Doors and windows fixing in position with cost, conveyance, taxes of all materials, labours and T & P required for the work etc. as per direction of Engineer-in-charge.								

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	3.670	0.000	7.000	3.500	89.915	-
ii	Window	2.000	3.500	0.000	4.000	3.500	98.000	-
iii	Window	3.000	2.670	0.000	4.000	3.500	112.140	-
Total Quantity					300.055 Kg (Kilo Gram)		3.00055 Qntl (Quintal)	
Amount					3.00055 X 15764.814895087		47303.12	

13. Painting (AR0901b) : Priming one coat in inner surface with primer of approved quality over iron work.

Priming one coat in inner surface with primer of approved quality over iron work including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	3.670	0.000	7.000	2.250	57.803	-
ii	Window	2.000	3.500	0.000	4.000	2.750	77.000	-
iii	Window	3.000	2.670	0.000	4.000	2.750	88.110	-
Total Quantity					222.9125 Sft (Square Foot)		20.7092399875 Sqm (Square Meter)	
Amount					20.7092399875 X 66.11573166851		1369.21	

14. Painting (AR0903i) : Painting two coats of enamel paint in outer surface paint (outer surface)

Painting two coats of enamel paint in outer surface paint including all costs of labour, Paint and brushes required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Door	1.000	3.670	0.000	7.000	2.250	57.803	-
ii	Window	2.000	3.500	0.000	4.000	2.750	77.000	-
iii	Window	3.000	2.670	0.000	4.000	2.750	88.110	-

Total Quantity	222.9125 Sft (Square Foot)	20.7092399875 Sqm (Square Meter)
Amount	20.7092399875 X 164.22772665202	3401.03

15. Painting (AR0901d) : Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces (Inner surface)

Priming one coat with inner surface primer of approved quality water-bound primer over plastering surfaces including cost conveyance, taxes of all materials, labor and T&P required for the work complete as per direction of the Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Inside Plaster Area	1.000	83.470	0.000	0.000	0.000	83.470	-
Total Quantity					83.47 Sqm (Sqm)		83.47 Sqm (Square Meter)	
Amount					83.47 X 71.83248932951		5995.86	

16. Painting (AR0920) : Finishing wall two coats with plastic emulsion paint of approved shades on new work (Inside)

Finishing wall two coats with plastic emulsion paint of approved shades on new work to give an even shade including all costs of labor, Paint and Brushes required for the work, etc. complete and as per direction of the Engineer-in-charge.(Inside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Inside Primer Area	1.000	83.470	0.000	0.000	0.000	83.470	-
Total Quantity					83.47 Sqm (Sqm)		83.47 Sqm (Square Meter)	
Amount					83.47 X 94.7526285875		7909.00	

17. Painting (AR0918ca) : Finishing wall two coats with weather coat with one coat oilbound Primer

Finishing wall surface two coats with weather coat with one coat oilbound Primer including all costs of labour, Paint, Primer, Brushes and putty required for the work etc. complete and as per direction of Engineer-in-charge.(Outside)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Outside Primer Area	1.000	61.430	0.000	0.000	0.000	61.430	-
Total Quantity					61.43 Sqm (Sqm)		61.43 Sqm (Square Meter)	

Amount	61.43 X 156.85349521701	9635.51
Total Amount		180825.43
Addition		
Provision for PH Work (+) @		
Provision for EI Work (+) @		16000.00
Provision for Contingency (+) @		2000.00
Display Citizen Board (+) @		1000.00
Any Other Lumpsum (+) @		2212.00
Provision for survey investigation and quality control (+) @		
Total Addition		21212.00
Grand Net Total Amount		202037.43

Bhakta Ranjan Mohanty
JE
Simulia Block

SAROJ TIGGA
AEE
Simulia Block

Sunil Kumar Tudu
BDO
Simulia Block